

L Number	Hits	Search Text	DB	Time stamp
1	884	((opening or trench) with (insulating or insulator))and (layer with oxygen) and 438/\$.ccls.	USPAT	2002/01/07 13:39
2	64	((opening or trench) with (insulating or insulator))and (layer with oxygen) and 438/\$.ccls.) and (concentration with oxygen)	USPAT	2002/01/07 13:40
3	27	((opening or trench) with (insulating or insulator))and (layer with oxygen) and 438/\$.ccls.) and (concentration with oxygen with (low or high))	USPAT	2002/01/07 13:40
4	496	((opening or trench) with (insulating or insulator))and (layer with oxygen) and 257/\$.ccls.	USPAT	2002/01/07 13:39
5	14	((opening or trench) with (insulating or insulator))and (layer with oxygen) and 257/\$.ccls.) and (concentration with oxygen with (low or high))	USPAT	2002/01/07 13:40
6	12	((opening or trench) with (insulating or insulator))and (layer with oxygen) and 257/\$.ccls.) and (concentration with oxygen with (low or high))) not (((opening or trench) with (insulating or insulator))and (layer with oxygen) and 438/\$.ccls.) and (concentration with oxygen with (low or high)))	USPAT	2002/01/07 13:40

Type	Hits	Search Text	DBs	Time Stamp
1 IS&R 2		((("4950997") or ("57395797")) PN	USPAT	2001/12/27 11:43
2 IS&R 3927		((("438/653") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,	USPAT, US-PGPUB, EPO, JPO	2002/01/07 11:33
3 BRS 1044		((("438/653") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer)	USPAT	2002/01/07 11:33
4 BRS 442		((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen	USPAT	2002/01/07 07:58
5 BRS 285		((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen and cvd	USPAT	2002/01/04 14:48
6 BRS 343		((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen and (sputtering or pvd)	USPAT	2002/01/04 14:49
7 BRS 236		((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen and cvd) and ((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen and (sputtering or pvd)	USPAT	2002/01/04 14:54
8 BRS 152		((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen and cvd) and ((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs,) and (barrier adj layer) and oxygen and (sputtering or pvd)) and copper	USPAT	2002/01/04 14:54

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Type	Hits	Search Text	DBs	Time Stamp
9 BRS	138	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and cvd) and (((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and (sputtering or pvd)))) and copper) and @ad<=20000208	USPAT	2002/01/07 07:55
10 BRS	2	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and cvd) and (((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and (sputtering or pvd)))) and copper) and @ad<=20000208) and (promoting adj layer)	USPAT	2002/01/04 14:59
11 BRS	7	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and cvd) and (((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and (sputtering or pvd)))) and copper) and @ad<=20000208) and (metal with promoting)	USPAT	2002/01/04 15:00
12 BRS	7	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and cvd) and (((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.) and (barrier adj layer) and oxygen) and (sputtering or pvd)))) and copper) and @ad<=20000208) and (promoting with layer)	USPAT	2002/01/04 15:01
13 IS&R	2586	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLs.	USPAT	2002/01/07 07:57

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	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0
6			0
7			0
8			0

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	Comments	Error Definition	Errors
9			0
10			0
11			0
12			0
13			0

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Type	Hits	Search Text	DBs	Time Stamp
14 BRS	684058	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and barrier layer	USPAT	2002/01/07 07:57
15 BRS	1044	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer)	USPAT	2002/01/07 07:57
16 BRS	442	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen	USPAT; US-PGPUB	2002/01/07 07:59
17 BRS	269	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper	USPAT; US-PGPUB	2002/01/07 07:59
18 BRS	10	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (diffusion with stop)	USPAT; US-PGPUB	2002/01/07 08:06
19 BRS	31	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (elongation adj lime)	USPAT	2002/01/07 08:04
20 BRS	0	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT; US-PGPUB	2002/01/07 08:09
21 BRS	10	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT; US-PGPUB	2002/01/07 08:32
22 BRS	7	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT	2002/01/07 08:12

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Type	Hits	Search Text	DBs	Time Stamp
23 BRS	7	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT	2002/01/07 08:31
24 IS&R	1	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT	2002/01/07 08:35
25 BRS	24302	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM	2002/01/07 08:37
26 BRS	5813	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM	2002/01/07 10:50
27 BRS	1385	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM	2002/01/07 11:34
28 BRS	99	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT	2002/01/07 08:41
29 BRS	7	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")) CCLLS.) and (barrier adj layer) and oxygen and copper and (Ti-Si-N)	USPAT	2002/01/07 09:32

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Comments	Error Definition	Errors
14		0
15		0
16		0
17		0
18		0
19		0
20		0
21		0
22		0

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Comments	Error Definition	Errors
23		0
24		0
25		0
26		0
27		0
28		0
29		0

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